

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-14. (Canceled).

15. (New) A method of retransmission protocol reset synchronisation in a radio network of a communication system, said radio network including at least one radio network controller (RNC) for controlling a plurality of base stations in communication with mobile terminals, wherein the RNC communicates with a mobile terminal using a radio link control (RLC) procedure, and the base station communicates with the mobile terminal using a medium access control (MAC) procedure, comprising the steps of:

performing an RLC reset procedure by an RLC sending entity;  
and

initiating a MAC reset procedure in response to an RLC reset procedure,

wherein parts of a soft buffer, a reordering buffer in the mobile terminal and a priority queue in the base station, associated to the MAC procedure are used by more than one RLC procedure for communication between the RNC and the mobile terminal,

MAC PDUs associated to the RLC procedure, which is reset, and remaining in the soft buffer, reordering buffer in the mobile terminal and in the priority queue in the base station are flushed, and

MAC PDUs associated to other RLC procedures, which are not reset, and remaining in the soft buffer, reordering buffer in the mobile terminal and in the priority queue in the base station are not flushed.

16. (New) The method according to claim 15, wherein the RLC reset procedure is initiated upon occurrence of unrecoverable protocol error or upon reaching a predetermined number of retransmissions or upon transmitting a discard notification for a predetermined number of times.

17. (New) The method according to claim 15, wherein the MAC reset procedure is carried out at the base station and the mobile terminal.

18. (New) The method according to claim 15, wherein the MAC reset procedure in the base station is initiated by a MAC release request message sent by the RNC.

19. (New) The method according to claim 15, wherein the MAC reset procedure in the mobile terminal is initiated by a channel reconfiguration message included in a radio resource control (RRC) protocol sent from the RNC to the mobile terminal.

20. (New) The method according to claim 15, wherein the MAC reset procedure in the mobile terminal is initiated by a reset request primitive sent from the receiving RLC entity to the receiving MAC entity upon receiving a RLC RESET protocol data unit PDU.

21. (New) The method according to claim 15, wherein the radio network is the UMTS terrestrial radio access network (UTRAN) using high speed downlink packet access HSDPA for data transmission.

22. (New) The method according to claim 21, wherein the RLC procedure and MAC procedure transmit protocol data units (PDUs) over the network employing a hybrid automatic repeat request HARQ protocol where erroneous packets are stored for subsequent combining.

23. (New) The method according to claim 22, wherein remaining RLC PDUs stored in a priority queue at a base station are not transmitted once an RLC reset procedure has been invoked.

24. (New) The method according to claim 22, wherein the MAC PDUs contain a reset identification (RID) field comprising logical channel identification.

25. (New) The method according to claim 24, wherein the MAC reset procedure with partial priority queue flush in the base station is initiated when receiving a MAC PDU with predefined inband identification and RID field.

26. (New) The method according to claim 24, wherein the MAC reset procedure with partial priority queue flush in the base station is initiated when receiving a MAC release request message with RID field as an information element.

27. (New) The method according to claim 15, wherein the radio network is the UMTS terrestrial radio access network using enhanced uplink dedicated channel (EUDCH) access employing HARQ protocol where erroneous packets are stored for subsequent combining.